

CLAIMS

1. An electronic apparatus comprises a light emitting element, a color filter provided in either side of an anode or a cathode of the light emitting element, and two
5 polarizers sandwiching the light emitting element and the color filter,
the anode and the cathode transmit light,
deflection angles of the two polarizers are different from each other, and
light obtained from the light emitting element is white.

10 2. In the electronic apparatus of claim 1, the light emitting element comprises a first light emitting layer which exhibits blue emission and a second light emitting layer dispersed with a phosphorescent material with a concentration of 10 wt % or more in a host material, and exhibiting both phosphorescence from the phosphorescent material and emission from the phosphorescent material in the excimer state.

15 3. In the electronic apparatus of claim 2, the highest peak in the emission spectrum of the first light emitting layer is located in the region from 400 nm to 500 nm.

4. In the electronic apparatus of claim 2, the phosphorescent material exhibits
20 emission having two or more peaks in the region from 500 nm to 700 nm, and one of the two or more peaks corresponds to the excimer emission.

5. In the electronic apparatus of claim 1, the electronic apparatus is used in a portable information terminal, a portable phone, or an electronic book.

25 6. An electronic apparatus comprises a light emitting element, two color filters sandwiching the light emitting element, and two polarizers sandwiching the light emitting element and the two color filters,
the anode and the cathode transmit light,

30 deflection angles of the two polarizers are different from each other, and

light obtained from the light emitting element is white.

7. In the electronic apparatus of claim 6, the light emitting element comprises a first light emitting layer which exhibits blue emission and a second light emitting layer
5 dispersed with a phosphorescent material with a concentration of 10 wt % or more in a host material, and exhibiting both phosphorescence from the phosphorescent material and emission from the phosphorescent material in the excimer state.

8. In the electronic apparatus of claim 7, the highest peak in the emission
10 spectrum of the first light emitting layer is located in the region from 400 nm to 500 nm.

9. In the electronic apparatus of claim 7, the phosphorescent material exhibits emission having two or more peaks in the region from 500 nm to 700 nm, and one of the two or more peaks corresponds to the excimer emission.

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10. In the electronic apparatus of claim 6, the electronic apparatus is used in a portable information terminal, a portable phone, or an electronic book.

11. An electronic apparatus comprises a light emitting element, a first transistor
20 for determining a current value supplied to the light emitting element, a second transistor for selecting emission or non-emission of the light emitting element, a color filter provided in either side of an anode or a cathode of the light emitting element, and two polarizers sandwiching the light emitting element and the color filter,

the anode and the cathode transmit light,
25 deflection angles of the two polarizers are different from each other,
light obtained from the light emitting element is white,
the light emitting element, the first transistor, and the second transistor are connected in series between a first power supply and a second power supply, and
a gate of the first transistor is connected to a third power supply.

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12. In the electronic apparatus of claim 11, the light emitting element comprises a first light emitting layer which exhibits blue emission and a second light emitting layer dispersed with a phosphorescent material with a concentration of 10 wt % or more in a host material, and exhibiting both phosphorescence from the phosphorescent material and emission from the phosphorescent material in the excimer state.

13. In the electronic apparatus of claim 12, the highest peak in the emission spectrum of the first light emitting layer is located in the region from 400 nm to 500 nm.

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14. In the electronic apparatus of claim 12, the phosphorescent material exhibits emission having two or more peaks in the region from 500 nm to 700 nm, and one of the two or more peaks corresponds to the excimer emission.

15. In the electronic apparatus of claim 11, the electronic apparatus is used in a portable information terminal, a portable phone, or an electronic book.

16. An electronic apparatus comprises a light emitting element, a first transistor for determining a current value supplied to the light emitting element, a second transistor for selecting emission or non-emission of the light emitting element, two color filters sandwiching the light emitting element, and two polarizers sandwiching the light emitting element and the two color filters,

the anode and the cathode transmit light,
deflection angles of the two polarizers are different from each other,
light obtained from the light emitting element is white,
the light emitting element, the first transistor, and the second transistor are connected in series between a first power supply and a second power supply, and
a gate of the first transistor is connected to a third power supply.

17. In the electronic apparatus of claim 16, the light emitting element

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comprises a first light emitting layer which exhibits blue emission and a second light emitting layer dispersed with a phosphorescent material with a concentration of 10 wt % or more in a host material, and exhibiting both phosphorescence from the phosphorescent material and emission from the phosphorescent material in the excimer state.

18. In the electronic apparatus of claim 17, the highest peak in the emission spectrum of the first light emitting layer is located in the region from 400 nm to 500 nm.

19. In the electronic apparatus of claim 17, the phosphorescent material exhibits emission having two or more peaks in the region from 500 nm to 700 nm, and one of the two or more peaks corresponds to the excimer emission.

20. In the electronic apparatus of claim 16, the electronic apparatus is used in a portable information terminal, a portable phone, or an electronic book.

21. An electronic apparatus comprises a light emitting element, a color filter provided in either side of an anode or a cathode of the light emitting element, and two liquid crystal panels sandwiching the light emitting element and the color filter, the anode and the cathode transmit light, and light obtained from the light emitting element is white.

22. In the electronic apparatus of claim 21, the light emitting element comprises a first light emitting layer which exhibits blue emission and a second light emitting layer dispersed with a phosphorescent material with a concentration of 10 wt % or more in a host material, and exhibiting both phosphorescence from the phosphorescent material and emission from the phosphorescent material in the excimer state.

23. In the electronic apparatus of claim 22, the highest peak in the emission

spectrum of the first light emitting layer is located in the region from 400 nm to 500 nm.

24. In the electronic apparatus of claim 22, the phosphorescent material exhibits emission having two or more peaks in the region from 500 nm to 700 nm, and
5 one of the two or more peaks corresponds to the excimer emission.

25. In the electronic apparatus of claim 21, the electronic apparatus is used in a portable information terminal, a portable phone, or an electronic book.

10 26. An electronic apparatus comprises a light emitting element, two color filters sandwiching the light emitting element, and two liquid crystal panels sandwiching the light emitting element and the two color filters,
the anode and the cathode transmit light, and
light obtained from the light emitting element is white.

15 27. In the electronic apparatus of claim 26, the light emitting element comprises a first light emitting layer which exhibits blue emission and a second light emitting layer dispersed with a phosphorescent material with a concentration of 10 wt % or more in a host material, and exhibiting both phosphorescence from the
20 phosphorescent material and emission from the phosphorescent material in the excimer state.

28. In the electronic apparatus of claim 27, the highest peak in the emission spectrum of the first light emitting layer is located in the region from 400 nm to 500 nm.
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29. In the electronic apparatus of claim 27, the phosphorescent material exhibits emission having two or more peaks in the region from 500 nm to 700 nm, and one of the two or more peaks corresponds to the excimer emission.

30 30. In the electronic apparatus of claim 26, the electronic apparatus is used in a

portable information terminal, a portable phone, or an electronic book.

31. An electronic apparatus comprises a light emitting element, a first transistor for determining a current value supplied to the light emitting element, a second
5 transistor for selecting emission or non-emission of the light emitting element, a color filter provided in either side of an anode or a cathode of the light emitting element, and two liquid crystal panels sandwiching the light emitting element and the color filter,
the anode and the cathode transmit light,
light obtained from the light emitting element is white,
10 the light emitting element, the first transistor, and the second transistor are connected in series between a first power supply and a second power supply, and
a gate of the first transistor is connected to a third power supply.

32. In the electronic apparatus of claim 31, the light emitting element
15 comprises a first light emitting layer which exhibits blue emission, and a second light emitting layer dispersed with a phosphorescent material with a concentration of 10 wt % or more in a host material, and exhibiting both phosphorescence from the phosphorescent material and emission from the phosphorescent material in the excimer state.

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33. In the electronic apparatus of claim 32, the highest peak in the emission spectrum of the first light emitting layer is located in the region from 400 nm to 500 nm.

34. In the electronic apparatus of claim 32, the phosphorescent material
25 exhibits emission having two or more peaks in the region from 500 nm to 700 nm, and one of the two or more peaks corresponds to the excimer emission.

35. In the electronic apparatus of claim 31, the electronic apparatus is used in a portable information terminal, a portable phone, or an electronic book.

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36. An electronic apparatus comprises a light emitting element, a first transistor for determining a current value supplied to the light emitting element, a second transistor for selecting emission or non-emission of the light emitting element, two color filters sandwiching the light emitting element, and two liquid crystal panels
5 sandwiching the light emitting element and the two color filters,
the anode and the cathode transmit light,
light obtained from the light emitting element is whit,
the light emitting element, the first transistor, and the second transistor are connected in series between a first power supply and a second power supply, and
10 a gate of the first transistor is connected to a third power supply.

37. In the electronic apparatus of claim 36, the light emitting element comprises a first light emitting layer which exhibits blue emission and a second light emitting layer dispersed with a phosphorescent material with a concentration of 10 wt %
15 or more in a host material, and exhibiting both phosphorescence from the phosphorescent material and emission from the phosphorescent material in the excimer state.

38. In the electronic apparatus of claim 37, the highest peak in the emission
20 spectrum of the first light emitting layer is located in the region from 400 nm to 500 nm.

39. In the electronic apparatus of claim 37, the phosphorescent material exhibits emission having two or more peaks in the region from 500 nm to 700 nm, and one of the two or more peaks corresponds to the excimer emission.

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40. In the electronic apparatus of claim 36, the electronic apparatus is used in a portable information terminal, a portable phone, or an electronic book.